LIST OF CLAIMS

The following is a complete listing of revised claims with a status identifier in parenthesis.

1. (Cancel) A method for controlling communication protocol's timeout, comprising the step of:

delaying a portion of a plurality of messages carried on a communications channel.

2. (Cancel) The method of claim 1, wherein the plurality of messages are messages to be transmitted.

3. (Cancel) The method of claim 1, wherein the plurality of messages are received messages.

4. (Previously Cancelled) The method of claim 3, wherein the plurality of messages are acknowledge messages.

5. (Cancel) The method of claim 1, wherein the portion of messages are delayed to create a substantially bimodal delay distribution.

6. (Cancel) The method of claim 1, wherein the communication protocol is TCP.

7. (New) A method of time out control in a wireless communication system, comprising:

inserting channel delay in data being carried over a communication channel to increase a length of time required for a time out.

8. (New) The method of claim 7, wherein said inserting includes inserting channel delay into data to be transmitted by a base station over said communication channel.

9. (New) The method of claim 8, further comprising:

controlling an amount of said channel delay inserted in said data.

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10. (New) The method of claim 9, wherein said controlling includes:

monitoring acknowledge messages received in response to said data transmitted with said delay, and

determining a desired channel delay for insertion based on a delay observed between transmission of said data and reception of said acknowledge messages.

11. (New) The method of claim 7, wherein said inserting includes inserting said channel delay into an acknowledge message to be transmitted over said communication channel in response to a received data transmission.

12. (New) The method of claim 11, further comprising:

controlling an amount of channel delay inserted in said acknowledge message.

13. (New) The method of claim 12, wherein said controlling includes:

adding channel delay to said acknowledge messages, so as to increase channel delay as observed by a receiver of the acknowledge message.

14. (New) The method of claim 7, wherein said inserting includes adding channel delay to said communication channel at a mobile station to control time out for data transmission between said mobile station and an application.

15. (New) A base station configured for controlling time out in a wireless communication system, comprising:

means for transmitting and receiving data over a communication channel; and

means for inserting channel delay into data to be transmitted over said communication channel to increase a length of time required for a time out.

16. (New) The base station of claim 15, wherein said means for inserting includes:

at least one buffer adapted for adding channel delay in said data to be transmitted; and

a processor monitoring acknowledge messages received in response to said data transmitted with said channel delay, and determining a desired channel delay based on received acknowledge messages.

17. (New) The base station of claim 16, wherein said processor modifies the depth or amount of delay added by the buffer until a desired delay is measured as seen by a delay in receiving said acknowledge messages.

18. (New) The base station of claim 16, wherein said buffer is one of a shift register and a cyclically addressed memory.

19. (New) A mobile communication device configured for controlling time out in a wireless communication system, comprising:

means for transmitting and receiving data over a communication channel; and

means for inserting channel delay in said communication channel to control time out for data transmission between said mobile communication device and an application.

20. (New) The device of claim 19, wherein said means for inserting includes:

at least one buffer adapted for adding channel delay in data to be transmitted by the device; and

a processor controlling a depth of said at least one buffer to control channel delay.

21. (New) The device of claim 20, wherein said at least one buffer is one of an outgoing buffer and acknowledge buffer.